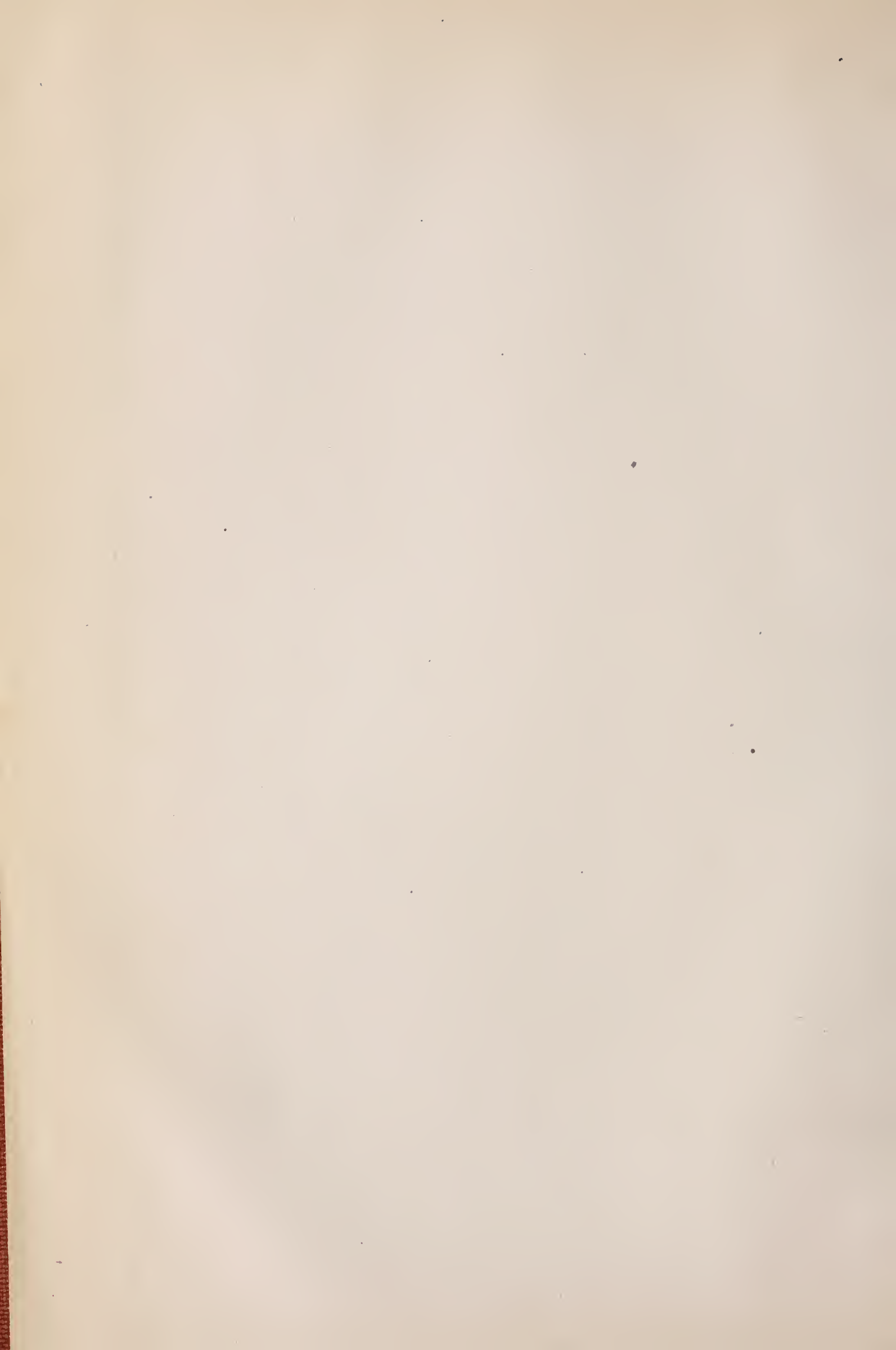


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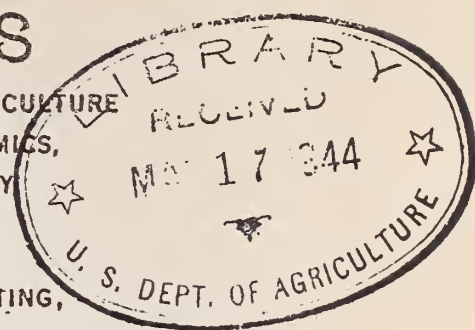


# COTTON LITERATURE

## SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,  
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



Vol. 10

January, 1940

No. 1

### CONTENTS

Production.....	1
Botany.....	1
Genetics and Plant Breeding.....	2
Agronomy.....	3
Diseases.....	8
Insects.....	8
Farm Management.....	10
Farm Social Problems.....	10
Cooperation in Production (One-Variety Communities).....	11
Preparation.....	12
Ginning.....	12
Baling.....	13
Marketing.....	14
General.....	14
Demand and Competition.....	15
Supply and Movement.....	20
Prices.....	23
Marketing and Handling Methods and Practices.....	26
Marketing Services and Facilities.....	26
Marketing Costs.....	28
Cooperation in Marketing.....	28
Utilization	
Fiber, Yarn and Fabric Quality.....	28
Technology of Manufacture.....	34
Technology of Consumption.....	36
Cottonseed and Cottonseed Products.....	39
Legislation, Regulation, and Adjudication.....	41
Legislation.....	41
Regulation.....	44
Miscellaneous--General.....	47

59-184

1940  
1941  
1942  
1943  
1944

25293  
2800  
59-184

COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

"Abbreviations Used in the Department of Agriculture for Titles of Publications" (Miscellaneous Publication No. 337) is the authority for abbreviations used in COTTON LITERATURE.

PRODUCTIONBotany

1. Holley, K. T., and Dulin, T. G. Influence of boron on flower-bud development in cotton. U. S. Dept. Agr. Jour. Agr. Res. 59(7): 541-545. Oct. 1, 1939. (Published in Washington, D. C.) 1 Ag84J  
 "Water-culture studies of the boron requirements of cotton brought out the fact that this element is necessary for flower-bud development in this plant, and that flowering may be seriously limited by a supply of boron that is sufficient for fair vegetative growth. There is no evidence from these results that boron has any relation to flower-bud initiation in cotton."-Summary.
2. How shall we know plants? Jour. Hered. 26(1): 25-31. Jan. 1935. (Published by American Genetic Association, Washington, D. C.) 442.8 Am3  
 Four distinct types of wild native cottons found in southern Florida are described.
3. Mason, T. G., and Phillis, E. Experiments on the extraction of sap from the vacuole of the leaf of the cotton plant and their bearing on the osmotic theory of water absorption by the cell. Ann. Bot. [London] (n. s.) 3(11): 531-544. July 1939. (Published by Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E. C. 4, England) 450 An7  
 Literature cited, pp. 543-544.  
 "Experiments are described in connection with (1) the distribution of water between the vacuole and the protoplasm of the cotton leaf; (2) respiration by the leaf residue, which is that fraction of the leaf from which no further sap can be expressed in the hydraulic press, and (3) imbibition by this residue. Calculations suggest that in the leaf the vacuole may occupy only about 30 per cent of the volume and that in cotton the osmotic pressure of the vacuole may be much less than that of sap derived from the protoplasm or cell. It appears, therefore, that the secretion pressure in these leaves is greater



than anything contemplated previously. As the imbibitional pressures in the protoplasm greatly exceed the osmotic pressure of the vacuole they may be related to the secretion pressure postulated by others.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20): 589. Nov. 1, 1939.

Also issued as Memoirs of the Cotton Research Station, Trinidad, Ser. B, No. 11.

4. Phillis, E., and Mason, T. G. Studies on the partition of the mineral elements in the cotton plant. I. Preliminary observations on nitrogen and phosphorus. Ann. Bot. [London] (n. s.) 3(11): 569-585. July 1939. (Published by Humphrey Milford, Oxford University Press, Amen House, Warwick Square, London, E. C. 4, England) 450 An7

Literature cited, p. 585.

"It was concluded that the saturation of the tissues with nitrogen and phosphorus respectively was an important factor determining the partition of these elements. It was suggested (a) that luxury consumption of nitrogen and of phosphorus occurs even when these elements are controlling dry weight production, (b) that no distinction can be drawn between the luxury and storage forms of these elements."

Also issued as Memoirs of the Cotton Research Station, Trinidad, Ser. B, No. 11.

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#### Genetics and Plant Breeding

5. Glasgow, Joe Bob "Scotty." Cotton breeding in Arkansas. Ark. Agr. 17(4): 12, 17. Nov. 1939. (Published by Arkansas College of Agriculture, Fayetteville, Ark.) 276.8 Ar42

6. Hutchinson, J. B. The relationships of Gossypium raimondii Ulb. Trop. Agr. [Trinidad] 16(12): 271-272. Dec. 1939. (Published by the Imperial College of Tropical Agriculture, Trinidad, B. W. I.) 26 T754

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Table gives crossing behaviour of *G. raimondii*.

7. Silow, R. A. The genetics and taxonomic distribution of some specific lint quantity genes in Asiatic cottons. Jour. Genetics 38(1-2): 277-298. July 1939. (Published by Cambridge University Press, Fetter Lane, London, E. C. 4, England) 442.8 J823  
References, pp. 297-298.  
Also issued as Memoirs of the Cotton Research Station, Trinidad, Ser. A, No. 15.
8. Silow, R. A. The genetics of leaf shape in diploid cottons and the theory of gene interaction. Jour. Genetics 38(1-2): 229-276. July 1939. (Published by Cambridge University Press, Fetter Lane, London, E. C. 4, England) 442.8 J823  
References, pp. 274-276.  
Also issued as Memoirs of the Cotton Research Station, Trinidad, Ser. A, No. 15.

#### Agronomy

9. Alabama. Agricultural experiment station. The effect of "digging" and "hogging" peanuts on cotton yields. Ala. Agr. Expt. Sta. Leaflet no. 18, 8pp. Auburn, 1939.
10. El algodón en San Juan. Se ha conseguido un rendimiento superior al del Chaco. La Chacra 10 (109): 109. Nov. 1939. (Published in Buenos Aires, Argentina) 9 C34  
Cotton in San Juan. A yield superior to that of the Chaco has been obtained.
11. Anthony, J. L. Fertilizer response varies with soils, crops, application. Miss. Farm Res. 2(12): 1, 2. Dec. 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)  
Tests made by the Mississippi Agricultural Experiment Station of effect of fertilizers on cotton yield and of sources of nitrogen are reported.
12. Bald headed cotton may become new Texas crop. Tex. Co-op. News 19(12): 12. Dec. 1939. (Published by Texas Co-operative Publishing Co., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F  
Efforts to produce a lintless cottonseed are noted.

13. Brackeen, L. O. After peanut harvests cotton needs potash. Better Crops with Plant Food 23(10): 19, 46-47. Dec. 1939. (Published at Investment Bldg., Washington, D. C.) 6 B46  
 "Where peanuts are harvested in a 3-year corn, cotton, and peanut rotation, the cotton crops need a fertilizer rich in potash."
14. Chester, K. Starr. Seed treatment for cotton. Okla. Agr. Expt. Sta. Mimeograph. cir. no. 38, [3]pp., processed. Stillwater, 1939.
15. Coleman, Russell. The value of legumes for soil improvement. Miss. Agr. Expt. Sta. Bul. 336, 16pp. State College, 1939.  
 "The data presented in this bulletin show that for cotton production in the hill sections of Mississippi legume nitrogen secured from turning under a good crop of winter legumes was approximately equal to 24 pounds of commercial nitrogen, secured from 150 pounds of 16% nitrogen fertilizer material."
16. El Ferrocarril de Buenos Aires al Pacifico realiza en el Oeste Serrano de Córdoba y en el Norte de San Luis una activa propaganda en favor del cultivo de algodón de secano. Gaceta Algodonera 16(189): 21, 23-25, 27-28. Oct. 31, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11  
 The Buenos Aires al Pacifico railway carries on in the western mountainous region of Córdoba and in the north of San Luis an active propaganda in favor of the cultivation of cotton in dry land.
17. Germany growing cotton, seeking northern strain. Seedlings transplanted from greenhouses mature in open fields. Cotton Trade Jour. 19(50): 1. Dec. 16, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
18. Khar'kov, D. V. [Potash fertilizers for cotton plants] Kalii no. 2, pp. 27-29. Feb. 1938. (Published in Moskva, U. S. S. R.) Libr. Cong. In Russian.  
 "Plot expts. over a 4-year period on the effect of fertilizers on cotton plants are described, the soil having been used previously for lucerne. P, N-P, and N-P-K fertilizers were used; the K



was added only during the first and fourth years in the N-K-P trials. At all periods of plant growth the K extd. from soil treated with N and P was much greater for unfertilized soil. The hypothesis that treatment with K probably has a favorable effect due to its increased removal by the cotton plant when fertilized with N and P is confirmed.-B. C. P. A."-Chem. Abs. 33(15): 5974. Aug. 10, 1939.

19. Kovda, V. A., and Mamaeva, L. Y. Salts toxicity limits in soils of the state farm Pakhta-Aral (Golodnaya Steppe) for alfalfa and the cotton plant. Pedology no. 4, pp.80-98. 1939. (Published by Academy of Sciences of the USSR, Moscow, U. S. S. R.) 57.8 P34  
In Russian. English summary, p. 98.
20. Kreibohm de la Vega, G. A. El cultivo del algodón de tronco o "soca"; posibilidades de producirlo en Tucumán. Gaceta Algodonera 16(189): 8-9. Oct. 31, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11  
The cultivation of cotton from the trunk or "soca"; possibilities of such production in Tucumán.
21. Kuykendall, Roy. Delta branch station results for cotton. Rates, dates of applying nitrogen. Miss. Farm Res. 2(12): 8. Dec. 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)
22. Kuykendall, Roy. Winter legumes for cotton production in the Yazoo-Mississippi Delta. Miss. Agr. Expt. Sta. Service Sheet no. 270, 2pp., processed. State College, 1939.
23. Neely, J. Winston, and McNamara, Homer C. A study of recently developed cotton strains at the Delta Branch experiment station. Miss. Agr. Expt. Sta. Service Sheet no. 269, 2pp., processed. State College, 1939.
24. Neitzel, L. H. Impero und baumwolle; ein ausblick auf die landwirtschaftlichen möglichkeiten Äthiopiens. Koloniale Fundschau 29(3): 137-158. Aug. 1938. (Published by Bibliographisches

Institut Ag., Leipzig, Germany) Libr. Cong.

Empire and cotton; a view of the agricultural possibilities in Ethiopia.

"The author who was a director of a German cotton-growing company in Ethiopia, gives a concise review of the experiments carried out to date on cotton cultivation in this country. The activities of a Belgian association and of the new Italian companies are described."-Internatl. Inst. Agr., Bibliog. Trop. Agr. (1938): 275. 1939.

25. Ossés, Luis J. Contribucion al estudio del cultivo del algodón en Cordoba. Argentine Republic. Junta Nacional del Algodón. Boletín Mensual no. 55, pp. 809-814. Nov. 1939. (Published in Buenos Aires, Argentina) 72.9 Ar3

Contribution to the study of cotton cultivation in Cordoba.

26. Pitner, John. Rates, analysis tests for cotton, brown loam soil show crop needs. Miss. Farm Res. 2(12): 1, 8. Dec. 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

Tables show yields in 1937, 1938 and 1939 with various fertilizers and with various rates of application. Tests were conducted on a farm in Benton, Mississippi.

27. Pope, O. A., and Ware, J. O. Influence of variety, season, and location on the fiber properties of cotton. 15pp., processed. [Washington, U. S. Department of agriculture, Bureau of plant industry, 1939]

Presented at the meeting of the American Society of Agronomy, New Orleans, La., November 22, 23, 24, 1939.

Contains 14 tables from the Regional Variety Study, 1935-1937.

28. O preço da semente de algodão para o plantio. Revista do Algodão 9(51): 2910. Sept. 1939. (Published at Rua de S. Bento, 389, São Paulo, Brazil)

The price of cottonseed for planting.

29. Los semilleros, campos de multiplicación y orientación constituyen uno de los recursos más efectivos de acrecentamiento productivo. La calidad del algodón cosechado por un agricultor tiene tanta importancia como el volumen producido. Gaceta Algodonera 16(189): 15-16. Oct. 31, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11  
The seed plots, fields of multiplication and orientation constitute one of the most effective recourses for productive increase. The quality of the cotton harvested by a farmer has as much importance as the volume produced.
30. U. S. Dept. of agriculture. Agricultural marketing service. Commercial fertilizer used on cotton - 1938 and 1939. 2pp., processed. Washington, 1939. 1.9 Ec71Cfe
31. Value in cotton stalks. Farm and Ranch 58(12): 50. Dec. 1939. (Published at 3306 Main St., Dallas, Tex.) 6 T31  
"Turning cotton stalks under when green so that they will decompose during the winter is worth \$6 per acre to the farmer."
32. Ware, J. O., Pope, O. A., and Sturkie, D. G. Influence of variety, location, and season on the oil and protein content of cottonseed (preliminary report). 22pp., processed. [Washington, U. S. Department of agriculture, Bureau of plant industry, 1939]  
Presented at the meeting of the American Society of Agronomy, New Orleans, La., November 22, 23, 24, 1939.  
Contains 21 tables from the Regional Variety Study, 1935-1937.
33. Ware, J. O., and Pope, O. A. Some agronomic aspects of the regional variety study (preliminary report of work). 20pp., processed. [Washington, U. S. Department of agriculture, Bureau of plant industry, 1939]  
Presented at the meeting of the American Society of Agronomy, New Orleans, La., November 22, 23, 24, 1939.  
Contains 19 tables giving summaries of field data and those of seed cotton yield, lint yield,



lint percentage, staple length, acre value of seed and lint, and boll size or weight from the Regional Variety Study, 1935-1937.

See also Items nos. 39, 50, 53, 106, 108, 111, 115, 119, 121, 122, 127, 217, 253, 258, 259.

### Diseases

See Item no. 259.

### Insects

34. American association of economic entomologists. Cotton states branch. Proceedings of the fourteenth annual meeting...Hillsboro Hotel, Tampa, Florida, Feb. 20-23, 1939. Jour. Econ. Ent. 32(5): 735-738. Oct. 1939. (Published by American Association of Economic Entomologists, Menasha, Wis.) 421 J822  
Includes resolutions on pink bollworm.
35. Bollworm's here and farmers gotta fight or let pink pest take half their crop. Ariz. Farmer 18(17): 6. Oct. 28, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
36. C., E. McC. The pink bollworm in the West Indies. Trop. Agr. [Trinidad] 16(12): 280. Dec. 1939. (Published by Imperial College of Tropical Agriculture, Trinidad, B. W. I.) 26 T754  
Comment on the report by F. A. Squire entitled "The pink bollworm, Platyedra gossypiella Saund., in the West Indies" is given.
37. Control of seedling pests of cotton. Queensland Agr. Jour. 52(4): 429-430. Oct. 1, 1939. (Published by Department of Agriculture and Stock, Brisbane, Queensland, Australia) 23 Q33
38. Cutworms in seedling cotton. Queensland Agr. Jour. 52(4): 431-432. Oct. 1, 1939. (Published by Department of Agriculture and Stock, Brisbane, Queensland, Australia) 23 Q33  
Methods of controlling cutworms are given.
39. Dorman, Clarence, and Coleman, Russell. Calcium arsenate safely used for poisoning weevils. Miss. Farm Res. 2(12): 8. Dec. 1939. (Pub-



lished by Mississippi Agricultural Experiment Station, State College, Miss.)

"The Mississippi Experiment Station has set up experiments to determine the effect of applications of calcium arsenate on some of our most important crops and soils." Results of these experiments are reported.

40. Llanos, Vicente Velasco. El Alabama en la zona algodонера de Armero. Colombia. Facultad Nacional de Agronomia. Revista 1(2): 151-182. Oct. 1939. (Published in Medellin, Colombia)

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Bibliography, p. 182.

The cotton leaf worm in the cotton zone of Armero.

41. Marie, Victor. El cultivo del algodonero en el Valle de Cañete, en relación con las plagas entomológicas, en 1939. Lima, Peru. Estación Experimental Agricola de La Molina. Informe no. 51, 31pp. Lima, 1939. 102.5 L622In

The cultivation of the cotton plant in the Valley of Cañete, in relation to the entomological pests, in 1939.

42. Need non-cotton zone. Farm and Ranch 58(12): 50. Dec. 1939. (Published at 3306 Main St., Dallas, Tex.) 6 T31

"The only way to keep the pink boll worm from invading the entire cotton belt is to establish a non-cotton zone."

43. Parsons, F. S. Investigations on the cotton bollworm, *Heliothis armigera* Hübn. (obsoleta, Fabr.) Part I.-The annual march of bollworm incidence and related factors. Bul. Ent. Res. 30(3): 321-338. Nov. 1939. (Published by Imperial Institute of Entomology, 41 Queen's Gate, London, S. W. 7, England) 421 B87

References, p. 337.

44. Pink bollworm control discussed. Cotton Digest 12(11): 3. Dec. 16, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Report of meeting of cotton men and entomologists at San Antonio Dec. 15, 1939.

Also in Cotton Digest 12(12): 4. Dec. 23, 1939; Cotton and Cotton Oil Press 40(30): 11. Dec. 23, 1939.

45. Squire, F. A. Observations on cotton stainers (Dysdercus) in the West Indies. Bul. Ent. Res. 30(3): 289-292. Nov. 1939. (Published by Imperial Institute of Entomology, 41 Queen's Gate, London, S. W. 7, England) 421 B87  
References, p. 292.
46. Viégas, Ahmés Pinto. Empusa dysderci n. sp., um novo parasita de Dysdercus. Jornal de Agronomia 2(4): 229-258. July-Aug. 1939. (Published at Rua Alferes J. Caetano n.o 100, Caixa Postal, 37, Piracicaba, São Paulo, Brazil) 9.2 J764  
Literature cited, pp. 253-255.  
Empusa dysderci n. sp., a new parasite of Dysdercus.

See also Items nos. 258, 259, 268.

### Farm Management

47. Andrews, Stanley. Farmers to ballot on quotas. Amer. Cotton Grower 5(7): 7, 8. Dec. 1939. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32  
Table shows income from cotton lint and seed and government payments, 1930-31 to 1938-39.
48. Average wage rate for picking 100 pounds of seed cotton. U. S. Dept. Agr. Crops and Markets 16(11): 244. Nov. 1939. (Published in Washington, D. C.) 1 Ag847cm  
Table gives wage rates by states, 1928-1939.

See also Item no. 279.

### Farm Social Problems

49. McWilliams, Carey. The Joads on strike. Nation 149(19): 488-489. Nov. 4, 1939. (Published at 20 Vesey St., New York, N. Y.) 110 N  
Causes leading up to the strike of cotton pickers in the San Joaquin Valley, California, are given.
50. U. S. National youth administration. Texas. Cotton growing in Texas. 79pp., processed. Austin, 1939.  
Opportunities for farm youth in cotton cultivation, ginning and manufacture in Texas are studied.

51. White, Nate R. The South plants to prosper.  
Christian Sci. Monitor Weekly Mag. Sect., Sept.  
23, 1939, pp. 1, 8-9. (Published in Boston,  
Mass.)

The Plant to Prosper Campaign is described and contrasted with the work of the Southern Tenant Farmers Union. These two agencies working among the sharecroppers in the Cotton Belt differ in that "One arouses discontent to promote collective bargaining" and the other "encourages sharecroppers to take a pride in their homes, their crops, and their independence, and shows them how to progress by intelligently helping themselves where they are."

See also Item no. 264.

Cooperation in Production (One-Variety Communities)

52. Adams, Orville. One-variety cotton for Texas.  
White rabbit or an inspiration--which? Cotton  
and Cotton Oil Press 40(29): 5-6. Dec. 9, 1939.  
(Published at 5116-18 Commerce St., Dallas, Tex.)  
504.8 C822

"While the one-variety program has been an unqualified success in restricted irrigated areas, the experience does not furnish sufficient proof that this practice would prove practical or possible, if applied to the entire State of Texas, Oklahoma, or any other area where irrigation is not possible...There is, however, great merit and much support for the plan to find out what varieties produce the best results in any particular community, and to evaluate the respective varieties of cotton in all major areas on the basis of returns, uniformity, quality and length of staple, regardless of the variety."

53. Brown, H. B. One variety cotton taking hold.  
Registration system being inaugurated to simplify  
purchases of good seed. South. Seedsman 2(12):  
11, 24-25. Dec. 1939. (Published by L. Kemper  
Wilson, 225 College Blvd., San Antonio, Tex.)  
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54. Cotton co-ops big factor in success of one-variety cotton project. Tex. Co-op. News 19(12): 5. Dec. 1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

Comments at the second annual meeting of the one-variety cotton community at Bonnie View, Texas, are reported.

55. One-variety cotton association. Farm and Ranch 58(12): 50. Dec. 1939. (Published at 3306 Main St., Dallas, Tex.) 6 T31

The number of one-variety cotton associations in Texas and Oklahoma is noted.

56. One-variety cotton communities. Prog. Farmer (Ga.-Ala.-Fla. ed.) 54(12): 7. Dec. 1939. (Published at 821 North Nineteenth St., Birmingham, Ala.) 6 P945G

Editorial.

See also Item no. 137.

### PREPARATION

#### Ginning

57. Adams, Orville. Cleanliness and fire hazards. Importance of keeping gins clean and efficient. Cotton and Cotton Oil Press 40(30): 5-6. Dec. 23, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

58. Bennett, Charles A., and Gerdes, Francis L. The season's end in cotton ginning. Cotton Ginners' Jour. 11(3): 5-6, 15. Dec. 1939. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

Suggestions as to how ginners can "prepare early for next year, by restoring the ginning equipment to first-class condition and also by modernizing their gins while the needs are still in mind."

59. Prichard, W. M. Ginner discusses saw tooth design. Cotton Ginners' Jour. 11(3): 10. Dec. 1939. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

"The article by Messrs. Martin and Stedronsky



51. White, Nate R. The South plants to prosper.  
Christian Sci. Monitor Weekly Mag. Sect., Sept.  
23, 1939, pp. 1, 8-9. (Published in Boston,  
Mass.)

The Plant to Prosper Campaign is described and contrasted with the work of the Southern Tenant Farmers Union. These two agencies working among the sharecroppers in the Cotton Belt differ in that "One arouses discontent to promote collective bargaining" and the other "encourages sharecroppers to take a pride in their homes, their crops, and their independence, and shows them how to progress by intelligently helping themselves where they are."

See also Item no. 264.

Cooperation in Production (One-Variety Communities)

52. Adams, Orville. One-variety cotton for Texas.  
White rabbit or an inspiration--which? Cotton  
and Cotton Oil Press 40(29): 5-6. Dec. 9, 1939.  
(Published at 3116-18 Commerce St., Dallas, Tex.)  
304.8 C822

"While the one-variety program has been an unqualified success in restricted irrigated areas, the experience does not furnish sufficient proof that this practice would prove practical or possible, if applied to the entire State of Texas, Oklahoma, or any other area where irrigation is not possible...There is, however, great merit and much support for the plan to find out what varieties produce the best results in any particular community, and to evaluate the respective varieties of cotton in all major areas on the basis of returns, uniformity, quality and length of staple, regardless of the variety."

53. Brown, H. B. One variety cotton taking hold.  
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purchases of good seed. South. Seedsman 2(12):  
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Wilson, 225 College Blvd., San Antonio, Tex.)  
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See also Items nos. 144, 268, 280.

### MARKETING

#### General

67. O algodão brasileiro em face da situação internacional. Desde o deflagar do conflito europeu, a União dos lavradores de algodão de São Paulo vem desenvolvendo intensa actividade no sentido de preservar os interesses da classe. Revista do Algodão 9(51): 2919-2921. Sept. 1939. (Published at Rua de S. Bento, 389, São Paulo, Brazil)

Brazilian cotton in the face of the international situation. Since the outbreak of the European conflict, the Union of Cotton Farmers of São Paulo have developed intense activity to preserve the interests of the class.

68. O algodão e a guerra. Revista do Algodão 9(51): 2901-2903. Sept. 1939. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
Cotton and the war.

69. Cotton is yet farmers best guarantee. Revista do Algodão 9(51): 2889-2893. Sept. 1939. (Published at Rua de S. Bento, 389, São Paulo, Brazil)  
The effect of the war on the cotton situation in São Paulo is discussed.

70. Knell, Frank J. Cotton prospect is promising despite European war. Cotton Digest 12(13): 4. Dec. 30, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Review of 1939 and outlook for 1940 are given.

71. Linz, Clarence L. President, Wallace confer on cotton at White House. Reveals Aug. 1, '40 carryover will be 2,000,000 bales lower. Jour. Com. [N. Y.] 182(14103): 3, 7. Dec. 12, 1939. (Published at 63 Park Row, New York, N. Y.)  
286.8 J82

The present cotton situation in the United States was discussed.

72. Parker, Walter. Time and tide. Cotton Digest 12(10): 1, 15. Dec. 9, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
The present market situation is discussed.

73. Perspectivas del algodón Argentino en la exportación y en el mercado local. Argentina. Ministerio de Relaciones Exteriores y Culto. Informaciones Argentinas no. 34, p. 39. Oct. 15, 1939. (Published in Buenos Aires, Argentina) 255.1 Ar37  
Outlook for Argentine cotton in exportation and the local market.
74. U. S. Dept. of agriculture. Bureau of agricultural economics. The cotton outlook for 1940 (revised as of November 27). U. S. Dept. Agr. Bur. Agr. Econ. Cotton Situation no. 37, pp. 3-16, processed. Nov. 29, 1939. (Published in Washington, D. C.)
75. U. S. Dept. of agriculture. Bureau of agricultural economics. The farm outlook for 1940. U. S. Dept. Agr. Misc. Pub. no. 379, 46pp. Washington, U. S. Govt. print. off., 1939. Cotton, pp. 5-6.

#### Demand and Competition

76. Actividad de la industria textil Argentina en 1938, a través de su consumo de algodón. Argentine Republic, Junta Nacional del Algodón, Boletín Mensual no. 55, pp. 763-795. Nov. 1939. (Published in Buenos Aires, Argentina) 72.9 Ar3  
Activity of the Argentine textile industry in 1938, on the basis of its consumption of cotton.
77. Analyze conditions in twelve of leading textile countries. Seeing no hope for early peace, Guaranty survey discusses war economics. Cotton Trade Jour. 19(48): 1, 6. Dec. 2, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
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## Prices

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The present price situation is discussed.

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Chart shows prices of American cotton, Mar. 1937-Nov. 1939.

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The recent rise in prices is noted.

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Opinions of cotton men expressed in answer to the query on the trend of American cotton prices in early 1940.

See also Items nos. 28, 114, 127, 152, 239, 268, 279, 281.

Marketing and Handling Methods and Practices

142. Cotton exchange challenges C. E. A. on trading limit.  
 Jour. Com. [N. Y.] 182(14098): 12, 13. Dec. 6,  
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 72.8 C8214

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Marketing Services and Facilities

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147. Growers' keen about free cotton classing. Ariz. Farmer 18(13): 6. Sept. 2, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
148. Issue of negotiable bills of lading to Mediterranean. Independents and cotton export corporation share benefits of ruling. Cotton Trade Jour. 19(48): 1, 6. Dec. 2, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
 "Negotiable bills of lading for cotton shipments to the Mediterranean were being issued this week by lines of the Gulf Mediterranean Ports Conference after nearly three months of enforced use of non-negotiable bills."
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 The loan on cotton recently announced by the United States government is commented upon.
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154. [Schneider, William] Secretary Wallace has opportunity to gain much credit for Department. Cotton Digest 12(12): 6. Dec. 23, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

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See also Items nos. 82, 135, 144, 157, 239, 244, 251, 262, 280.

### Marketing Costs

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The rate fixed by the Commodity Credit Corporation is opposed.

### Cooperation in Marketing

156. Garrard, W. M. The association's internal merchandising operations. Staple Cotton Rev. 17(12): 1-4. Dec. 1939. (Published by the Staple Cotton Cooperative Association, Greenwood, Miss.) 72.8 St22  
Marketing practices of the Staple Cotton Cooperative Association are described.
157. North Carolina cotton growers co-operative association. Your own organization offers you the quick, easy way to get your government cotton loan. Carolina Co-op. 17(12): 8-9. Dec. 1939. (Published by the Carolina Co-operator Publishing Co., corner of Fayetteville and Cabarrus Sts., Raleigh, N. C.) 72.8 N81

See also Items nos. 54, 67, 236.

## UTILIZATION

### Fiber, Yarn and Fabric Quality

158. Ant-Wuorinen, Olli. Constitution of cellulose, with special regard to hydrolytic experiments. Finnish Paper and Timber Jour. 21(8): 298-304; (9): 329-340. Apr. 30, May 15, 1939. (Published in Helsinki, Finland) 302.8 P199  
In Finnish. Summary in English, pp. 338, 340.  
"In the homogeneous hydrolysis of cellulose

(I) (1.056 g. of I contg. 10.62% moisture in 319cc. of 5 N H<sub>2</sub>SO<sub>4</sub> with heating for 75 min.) in which the cellulose dissolves at the beginning of the hydrolysis, hydrolytic cleavage takes place preferably in the middle of the chain mol. in soln. In heterogeneous hydrolysis (3.003 g. of I contg. 5.63% moisture in 120 cc. of 5 N H<sub>2</sub>SO<sub>4</sub> with heating for 80 min.) distinct differences between native and recovered I were observed as a result of the differences in chem. resistance of those portions of the chain mols. which form a part of the crystal lattice areas, as compared with those parts of the chain which belong to the amorphous inter-lattice areas. The coherence of the lattice areas of recovered I is considerably less than that of native I. It is suggested that the chain mols. of native I are so long that in the native state they are insol. in all solvents. Solvents which are powerful swelling agents break down the chain length and dissolve the cleavage products. Thus no agreement can be expected between the chemically detd. length of native I chains and the chain length of dissolved I. - S. A. Karjala." - Chem. Abs. 33(15): 6041. Aug. 10, 1939.

159. [Association of cotton textile merchants of New York] Textile merchants unanimously adopt percale standards. Agree designation will be confined after Jan. 1, 1940, to cloths having thread count of 180 per square inch. Daily News Rec. no. 286, pp. 1, 7. Dec. 7, 1939. (Published at 8 East 13th St., New York, N. Y.) 286.8 N48

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Yarn twist, staple length and behaviour in weaving of cotton yarns.

"The influence of twist on yarn strength is discussed..." - Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(17): 494. Sept. 15, 1939.

164. Goodings, A. C. Modern textile laboratory practice. Refined technique and new instruments, developed by increased testing and research, are improving yarn and fabric quality and performance. Canad. Textile Jour. 56(6): 33-35. Mar. 17, 1939. (Published at 1434 St. Catherine St. W., Montreal and Gardenvale, Quebec, Canada) 304.8 C16

Address before the Quebec Section, Canadian Association of Textile Colourists and Chemists, at a meeting in Montreal on February 18th, 1939.

165. Haworth, W. N. The structure of cellulose and other polymers related to simple sugars. Chem. and Indus. 58(41): 917-925. Oct. 14, 1939. (Published by Society of Chemical Industry, Clifton House, Euston Road, London, N. W. 1,

England) 382 M31

"A report is given of a lecture explaining the methods by which the sugar residues forming the building units of cellulose and other polysaccharides are linked together into complex molecules, as revealed by the results of work during the past twenty years. - C." - Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(21): 616. Nov. 15, 1939.

166. Johnston, Oscar. Further investigation needed--  
What is spinning value of American crop? Cotton Digest 12(10): 9, 14. Dec. 9, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.)  
286.82 C822

Work being done in the United States and other countries to determine the spinning value of cottons is noted.

167. Kagawa, Ikumi. Thermodynamics of nitration of cellulose, III-IV. Japan. Soc. Chem. Indus. Jour. 42(7): 235B-237B. July 1939. (Published at Yuraku Bldg., Marunouchi, Tokyo, Japan)  
J 385 J82

"The heat of reaction of cellulose with nitrating acid has been determined on two cottons differing in moisture content; the average value was 77.5 cal. per gm. of dry cellulose. The heat of reaction of the nitrocellulose in the same acid was then determined in order to get a measure of the secondary sources of heat-degradation of cellulose, heat of swelling and so forth. The net heat of nitration thus became 54.7 cal. per gm., or 4.91 k. cal. per gm. mol. of reacted hydroxyl. After allowing for the heats of solution of water and nitric acid in the nitrating acid, the true heat of nitration reduces to 2.11 k. cal. A value calculated from theory is 2.7 k. cal. - C." - Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(21): 623. Nov. 15, 1939.

168. Larose, P. Tensile strength of fibres. Canad. Textile Jour. 56(12): 35. June 9, 1939. (Published at 1434 St. Catherine St. W., Montreal and Gardenvale, Quebec, Canada) 304.8 C16

"The grams/unit area method of stating tensile strength is more satisfactory than the grams/denier method, particularly when comparing

different types of fibres. For filaments of the same cross-sectional area, the denier is proportional to the specific gravity. This is represented by the formula,  $\text{denier } 9 = AS/1000$ , where  $A$  is the cross-sectional area in microns and  $S$  the specific gravity. Tensile strength =  $KA$ , where  $K$  is a constant for any one material but not for various materials. A combination of the two formulae gives,  $K = 9 S \times \text{tensile strength} / 1000 \text{ denier}$ .  $K$  is obtained by multiplying the tensile strength/denier by the specific gravity and by  $9/1000$ ; the latter may be omitted if only comparative values are desired. Values are given for cotton and nylon and for some common fibres expressed in the two different ways. - W. -  
Textile Inst. Jour. 30(10): A656. October 1939.

169. Lima Pereira, Valbert de. Ainda sobre o comprimento das "fibras" do algodao. Sociedade Brasileira de Agronomia, Revista 2(2): 107-121. June 1939. (Published at Avenida Rio Branco, 183-6º andar, Room 606, Rio de Janeiro, Brazil) 9.2 Sol3

Concerning the length of cotton fibers.

170. Mixing cotton of various staple lengths. Textile World 89(13): 86. Dec. 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315

Answer to a letter asking "How far can one go in mixing different staple lengths without affecting the evenness of the yarn?"

171. "Parkside." Defective ring yarn. Textile Mercury and Argus 101(2640): 478-479. Oct. 27, 1939. (Published at 41, Spring Gardens, Manchester, England) 304.8 T318

Slubs, crackers and wiry yarn are described.

172. Saco-Lowell shops. Modern cotton stapling. Saco-Lowell Bul. 11(3): 19-26. Oct. 1939. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal  
To be continued.

"On account of the importance of this subject, we have divided the discussion into several parts. In this first part we have discussed some of the limitations of hand stapling and have described a laboratory method for fibre length analysis which has been found by us and by many of our



readers to be quite rapid, accurate, and practical for modern cotton mill usage. In our next issue some of the technical terms and phrases used in fibre sorting will be defined to review and refresh your knowledge and information. We hope to show in the following parts of this article how this method of length analysis, although originally designed for genetic variety selection and staple standardization, can be used to advantage on many of the fibre problems of the up-to-date cotton mill."

173. Sauter, Erwin. Über beziehungen zwischen den gittern der nativen und der hydratcellulose. Zeitschrift für Physikalische Chemie 43(4): 294-308. July 1939. (Published by Akademische Verlagsgesellschaft M. B. H., Leipzig, Germany) 384 Z37B

Footnote references.

Relation between the lattice of native and hydrate cellulose.

"Work on the lattice of native cellulose is critically reviewed. Gross and Clark (1938) and Kiessig (1939) have shown that the difference between the Meyer and Mark lattice and that of Sponsler and Dore, which Sauter holds to be correct, arises from a simple shift in co-ordinates and a choice of unit cell in the Meyer-Mark model of double the size. This relationship is now elucidated by the graphical construction of the layer line fields from all the observed X-ray patterns and intensities, according to the Meyer-Mark and the Sponsler-Dore-Sauter lattices. Similar treatment is applied to the Andress-Meyer-Mark and Sponsler-Dore data for cellulose hydrate. Arguments are advanced in favour of the Sponsler-Dore model in each case and a new explanation is offered of the structural relationships between cellulose and cellulose hydrate. -C." - Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(19): 568-569. Oct. 16, 1939.

174. Staudinger, H., and Reinecke, F. On macro-molecular compounds. 222nd report. On the constitution of natural and artificial silks. Kunstseide und Zellwolle 21(8): 280-285. Aug. 1939. (Published at Drakestr. 45, Berlin-Lichterfelde-

West, Germany) Bur. Standards.

Footnote references.

In German. English summary, p. 280.

"The structure of cellulose is discussed and it is pointed out that the production of synthetic fibres, such as P. C. and Nylon fibres, confirms the view that the fibre properties of such natural cellulose materials as cotton, flax, etc. depend on the presence of long macro-molecules, not on bio-structure. The degree of polymerisation of the cellulose of natural fibres is about 3,000 whilst that of regenerated cellulose fibres is generally between 250 and 500. The strength of cellulose fibres increases with increasing degree of polymerisation up to a degree of polymerisation of about 800, further increases above this figure producing only slight increases... - C." - Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20): 582. Nov. 1, 1939.

175. Walker, A. C. The textile drying research. Textile Res. 10(2): 59-60. Dec. 1939. (Published by United States Institute for Textile Research, 65 Franklin St., Boston, Mass.) 304.8 T293
176. What is the spinning value. Cotton Digest 12(10): 8. Dec. 9, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
 Editorial stating that "the question of the relative spinning value of American and foreign cotton...should be answered as fully and as completely as possible with a minimum of delay."

See also Items nos. 27, 241, 258, 262, 280.

### Technology of Manufacture

177. Cotton fabric without spindle or loom. Cotton Trade Jour. 19(51): 1. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
 "Claims are made this week in the lay press for a new process for making cotton cloth without spinning or weaving, simply by arranging the fibers and binding them chemically. M. A. Goldman, Fiber Products Laboratory, New Brunswick, N. J., believes the process which he has developed will prove a boon to the cotton industry. It

should. The problem which Mr. Goldman believes he has solved has been receiving the attention of research men for some time." - Entire item.

178. Different types of top rolls. Amer. Wool & Cotton Reprtr. 53(45): 12, 41-42. Nov. 9, 1939. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 788  
 Report of discussion at meeting of the Piedmont Division of the Southern Textile Association in Charlotte.
179. The Duerst method of figuring progressive yarn twist. Cotton [Atlanta] 103(12): 64-66. Dec. 1939. (Published by W. R. C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823  
 Includes a table giving twist multiples for all counts from 1s to 100s.
180. Dyson, J. Folded and cabled cords. Construction and properties for mechanical textiles. Textile Weekly 24(611): 575-576. Nov. 17, 1939. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127
181. Harriss, William H. Too much twist in warp and filling yarns means trouble in pre-shrinking cotton fabrics. Textile World 89(13): 66-67. Dec. 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315  
 Abstract of a paper delivered before the South Carolina Weavers Division of the Southern Textile Association, on Nov. 11, at Clemson College.
182. New German spindles have motors for each. Cotton Trade Jour. 19(52): 1. Dec. 30, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
 On a new yarn spinning machine recently tried out at Krefeld, Germany, "each spindle is worked by an electric motor, at 21,000 revolutions per minute."
183. Pratt, Horace L. Spinning room practice. Article 7. Cotton [Atlanta] 103(12): 66A-66D. Dec. 1939. (Published by W. R. C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823  
 "Difficulties and defects encountered in the spinning room are discussed."



184. Saco-Lowell shops. An aid in securing better beans. The improved Saco-Lowell positive expansion comb. Saco-Lowell Bul. 11(3): 8-9. Oct. 1939. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal

185. Saco-Lowell shops. Air as an aid in cleaning. Saco-Lowell Bul. 11(3): 6-8. Oct. 1939. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal

"The recent development, perfection, and application of our new No. 11 Leaf and Dust Extractor has been an important bench mark in our long-continued efforts to devise means and methods for the better cleaning of the cotton in the early stages of its manufacture into yarns."

186. [Southern textile association]. Eastern Carolina group discusses mill problems. Textile Bul. 57(7): 7-8, 10, 36-37, 40, 42-43. Dec. 1, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82

To be continued.

Report of meeting at Durham, N. C., Nov. 4, 1939. Topics such as best type of top roll for drawing, production on drawing, best number of ends up on drawing and reasons and methods of cleaning long draft frames in carding and spinning, were discussed.

Also in Cotton [Atlanta] 103(12): 74-75. Dec. 1939.

187. Starting-up ring frames. Important considerations to ensure efficient running. Textile Weekly 24(612): 598, 601. Nov. 24, 1939. (Published at 49, Deansgate, Manchester, 3, England) 304.8 T3127

188. Yarn tension meter. Textile World 89(13): 72. Dec. 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315

#### Technology of Consumption

189. Charity begins at home. Cotton Ginners' Jour. 11 (3): 9. Dec. 1939. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave.,

Dallas, Tex.) 304.8 C824

Assistance given by ginnerers in the "Buy or Make a Cotton Mattress" campaign.

190. A cotton Christmas. Cotton Ginnerers' Jour. 11(3): 8. Dec. 1939. (Published by Texas Cotton Ginnerers' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

Editorial stating that "the Governor of Texas has proclaimed December as the 'Use More Cotton' month."

191. Cotton Christmas success, shoppers buy cotton goods. National cotton council reports response to sales drive, all over belt. Cotton Trade Jour. 19(51): 3. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Also in Cotton Digest 12(12): 3. Dec. 23, 1939.

192. [Cotton consumption council] 15-point campaign to promote cotton nationally is adopted. Cotton Trade Jour. 19(50): 1, 7. Dec. 16, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Report of meeting in New Orleans, Dec. 12, 1939.

193. Cotton housing; prefabricated cotton houses within a year are predicted. Textile Age 3(12): 48, 50-51. Dec. 1939. (Published at 381 Fourth Ave., New York, N. Y.) 304.8 T3132

194. Everett, Charles K. Cotton's uses in relation to housing and construction. Mfrs. Rec. 108(12): 19, 46, 58. Dec. 1939. (Published at Commerce and Water Sts., Baltimore, Md.) 297.8 M31

195. Foley, M. A. Use of flocks in the rubber industry. 2. Flock as a surface coating. Rubber Age 46(1): 27-28. Oct. 1939. (Published at 250 7. 57th St., New York, N. Y.) 305.8 R82

196. King cotton in person visits New Orleans, a popular monarch. Crescent City celebrates "Pick cotton for Christmas week" in style. Cotton Trade Jour. 19(49): 1, 8. Dec. 9, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

197. Meharg, Virgil E. Fillers--Cotton flock and wood-flour. Modern Plastics 17(2): 53-54. Oct. 1939. (Published by Breskin Publishing Corp., 122 East 42nd St. (Chanin Bldg.) New York, N. Y.) 309.8 P69

The author compares the use of cotton flock with the use of woodflour as fillers "in the preparation of thermosetting plastic molding materials."

198. Morrison, Bess Viemont. Judging fabric quality. U. S. Dept. Agr. Farmers' Bul. 1831, 22pp. Washington, 1939.

199. Murchison speaks on cotton uses. Cotton Digest 12(11): 3. Dec. 16, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Extracts from address at meeting of the Cotton Consumption Council, held in New Orleans, Dec. 12, 1939.

200. [National cotton council of America] Council's radio program stresses cotton consumption problems. Cotton and Cotton Oil Press 40(29): 9, 16. Dec. 9, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

201. No hay precios ni colocación para los algodones de tipos bajos. Insistimos en que se obligue a envasar la harina y otros productos alimenticios en bolsas de algodón, así se dará empleo a esos algodones que no tienen mercado. Gaceta Algodonera 16(189): 1-2. Oct. 31, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

There are neither premiums nor place for cottons of low type. We insist that flour and other food products should be put in cotton bags, thus use will be made of those cottons which have no market.

202. Report new uses for half million bales, two items. Insulation and paper making offer big fields, says Omohundro. Cotton Trade Jour. 19(50): 1, 2. Dec. 16, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Report of an address by E. H. Omohundro at meeting of Cotton Consumption Council in New Orleans, December 12, 1939.



203. Smith, Margaret. Cotton shirts for men and boys.  
U. S. Dept. Agr. Farmers' Bul. 1837, 14pp.  
Washington, U. S. Govt. print. off., 1939.
204. U. S. Dept. of agriculture. Bureau of public roads.  
Report of the chief...1939. 85pp. Washington,  
U. S. Govt. print. off., 1939.  
Experiments with cotton fabric in highway  
construction are mentioned, p. 83.
205. U. S. Dept. of agriculture. Extension service.  
Division of field coordination. Surveys and  
reports section. Cotton utilization in the  
farm home. Excerpts from 1938 annual reports of  
state and county extension agents. 15pp., pro-  
cessed. Washington, [1939] L913 S2C82  
Mattress making is noted particularly.
206. Use 1,000 bales in construction of biggest conveyor  
belt system. Goodyear begins shipment of 20  
miles of belting to Shasta dam site. Cotton  
Trade Jour. 19(51): 3. Dec. 23, 1939. (Pub-  
lished at 810 Union St., New Orleans, La.)  
72.8 C8214

See also Items nos. 31, 80, 96, 107, 159, 241.

#### COTTONSEED AND COTTONSEED PRODUCTS

207. Buying cottonseed on grade is big advance. Ariz.  
Farmer 18(18): 10. Nov. 11, 1939. (Published  
at 313 North Third St., Phoenix, Ariz.) 6 Ar44
208. First effects of the war on United States foreign  
trade in fats and oils. U. S. Dept. Agr. Bur.  
Agr. Econ. Fats and Oils Situation no. 34,  
pp. 5-15. Dec. 15, 1939. (Published in Wash-  
ington, D. C.)  
Cottonseed oil imports have declined and  
exports have increased.
209. Fuller, F. D., and Sullivan, James. Commercial  
feeding stuffs, September 1, 1938, to August 31,  
1939. Tex. Agr. Expt. Sta. Bul. 578, 205pp.  
College Station, 1939.  
Cottonseed products are included.
210. International cottonseed products directory...1939-  
1940. 296, 239pp. Dallas, Cotton and cotton  
oil press, [1939] 72 In83

211. Joyner, N. T., and Rini, S. J. Some notes on the determination of moisture and volatile matter in fats and oils. Oil and Soap 16(12): 233-236. Dec. 1939. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.) 307.8 J82  
Literature cited, p. 236.  
Cottonseed oil is included in the study.
212. Leahy, John. Cottonseed processing links agriculture and industry profitably. South. Power and Indus. Jour. 57(10): 37-44. Oct. 1939. (Published by W. E. C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 291.8 So8
213. Leveck, H. H. Wintering beef cattle economically done with farm grown roughages. Sorghum silage, hay, cottonseed meal in rations. Miss. Farm Res. 2(12): 1, 2. Dec. 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)
214. Lockett, Charles L. Our industry when an infant. Oil Mill Gazetteer 44(6): 7, 16. Dec. 1939. (Published in Wharton, Tex.) 307.8 O153  
Review of an article by Erwin W. Thompson on "The Manufacture of Cottonseed Oil" published by the American Society of Mechanical Engineers in November, 1884.
215. Musser, D. M., and Nickerson, R. F. Cottonseed hulls as an industrial raw material. Indus. and Engin. Chem. (Indus. Ed.) 31(10): 1229-1233. Oct. 1939. (Published by American Chemical Society, Mills Bldg., Washington, D. C.) 381 J825  
Literature cited, pp. 1232-1233.
216. National cottonseed products association, inc. Proceedings of the forty-third annual convention... held at New Orleans, Louisiana, May 8-9-10, 1939. 50 pp. [Dallas, Tex.] 1939. 72.9 In8 43d, 1939.  
On cover: Cotton and Cotton Oil Press.
217. Tavares, Heitor. O índice de óleo nas seleções do algodão. Pernambuco. Secretaria de Agricultura, Industria e Comercio. Boletim 4(2): 168-174. Sept. 1939. (Published at Recife, Pernambuco, Brazil) 9.2 F423  
The index of oil in the selection of cotton.

218. [U. S. Dept. of agriculture. Agricultural marketing services] Air cottonseed problem over 3 radio stations. Cotton Trade Jour. 19(48): 7. Dec. 2, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

A summary of the radio talks is given.

219. U. S. Dept. of agriculture. Bureau of agricultural economics. Agricultural outlook charts 1940; fats, oils, and oilseeds. 20pp., processed. [Washington] 1939.

Includes cottonseed.

220. U. S. Dept. of agriculture. Bureau of agricultural economics. Fats and oils: the World war and the 1939 European war. 12pp., processed. Washington, 1939.

Includes cottonseed oil.

221. Ward, H. L. Course of the humble cotton seed into industry. Farmers' Elevator Guide 34(10 [i. e. 11]): 18. Nov. 5, 1939. (Published by American Co-operative Publishing Co., 327 South La Salle St., Chicago, Ill.) 280.26 Am3

See also Items nos. 12, 28, 32, 122, 241, 253, 258, 280.

#### LEGISLATION, REGULATION, AND ADJUDICATION

##### Legislation

222. Attacks motives of opponents of processing tax. Wallace, defending certificate plan, seeks to smear opposition. Cotton Trade Jour. 19(52): 1, 6. Dec. 30, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

223. British cotton-industry reorganization act, 1939. U. S. Bur. Labor Statis. Monthly Labor Rev. 49 (5): 1086-1089. Nov. 1939. (Published in Washington, D. C.) 158.6 B87M

The law is summarized.

224. Control and the cotton industry. Sir Percy Ashley appointed controller. Postponement of the reorganization act. Manchester Chamber of Com. Monthly Rec. 50(11): 479-482. Nov. 30, 1939. (Published at Ship Canal House, King St., Manchester, 2, England) 287 M31



225. McDonald flays government control. Cotton Digest 12(10): 10-11. Dec. 9, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
The opinion of J. E. McDonald, Texas Commissioner of Agriculture on the cotton allotment quota program is quoted.
226. More legislative hokum. Cotton Digest 12(9): 8. Dec. 2, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Editorial on the certificate plan.
227. [Murchison, Claudius T.] Says processing tax would hurt farmer, shift spindles to rayon. Cotton Trade Jour. 19(49): 1, 6. Dec. 9, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Address at meeting of the National Association of Commissioners, Secretaries and Directors of Agriculture in Chicago, December 5, 1939.
228. New processing tax. Cotton Trade Jour. 19(51): 2. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
An editorial.
229. No processing tax for Morgenthau, opposes Wallace. Treasury department opposition may balk levy as it did last year. Cotton Trade Jour. 19(51): 1. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
230. Ousley, Clarence. Financing farm benefits. Cotton and Cotton Oil Press 40(29): 14. Dec. 9, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822  
Editorial on the government's proposed certificate plan.
231. Parker, Walter. Processing tax would pyramid levy, is claim. Cotton Trade Jour. 19(51): 1, 6. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
Also in Cotton Digest 12(12): 10. Dec. 23, 1939.
232. Revival of processing tax is considered. Textile Bul. 57(7): 19. Dec. 1, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 S082

233. Scoggin, W. T. Farmer denounces processing tax, demands fair treatment for cotton. Points to numerous other subsidies not paid by their recipients. Cotton Trade Jour. 19(51): 1, 3. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
234. Stubblefield, Blaine. Wage-hour and process-tax news. Former cracks down on home-work system--Wallace may try a tax again. Textile World 89 (13): 52. Dec. 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N. Y.) 304.8 T315
235. U. S. Congress. House. Committee on agriculture. Cotton crop insurance. Hearing...Seventy-sixth Congress, first session on H. R. 6972, serial F, a bill to amend the Federal crop insurance act, July 6 and 10, 1939. 49pp. Washington, U. S. Govt. print. off., 1939. 284.6 Un3982C
236. U. S. Congress. Senate. Committee on agriculture and forestry. Reimburse cotton cooperative associations. Hearings...Seventy-sixth Congress, first session, on S. 2585, a bill to reimburse the cotton cooperative associations for losses occasioned by the Federal farm board's stabilization operations...June 19, 24, and 28, 1939. 83 pp. Washington, U. S. Govt. print. off., 1939. 280.272 Un32R
237. Wallace urges processing tax to pay farmers. Secretary of agriculture, on radio at Oklahoma City, asks for December 9 vote of confidence in cotton program. Cotton Trade Jour. 19(48): 1, 5. Dec. 2, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
238. Wallace's farm program in great danger. Cotton Digest 12(13): 6. Dec. 30, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
 Editorial on the opposition to the certificate plan.
239. Williams, Dameron. "Until debt do us part." Textile Bul. 57(7): 12, 33. Dec. 1, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N. C.) 304.8 So82  
 Brief criticism of government control of cot-

ton production in the United States but stating that "a large portion of the cotton program as put into effect by the government has been of great value. Standards for grade and staple have been adopted. Information as to trends, prices and conditions in the cotton markets are and have been published and these have been likewise, of value."

See also Items nos. 255, 272, 280.

### Regulation

240. Cotton controller and the board. Sir Percy Ashley explains the cotton trade position. Textile Weekly 24(611): 564. Nov. 17, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127  
"On November 10, 1939, the Minister of Supply appointed Sir Percy Ashley, K. B. E., C. B., chairman of the Cotton Board (set up by the Board of Trade and the Ministry of Supply on September 17), to be Cotton Controller."
241. Federal trade commission issues order covering terms "felt" and "staple cotton." Bedding Manfr. 37(5): 44. Dec. 1939. (Published by The Better Bedding Alliance of America, 608 S. Dearborn St., Chicago, Ill.) 309.8 B39  
"In a proceeding known as Docket number 3781, the Commission ordered E. E. Phillips individually and trading as Cotton Belt Mattress Company of Pinetops, North Carolina, to cease and desist from using the terms 'felt' and 'staple cotton' in describing the filling content of mattresses unless the filling actually corresponds to the definition of such terms."
242. Keep the lid on. Farmer-Stockman 52(23): 576. Dec. 1, 1939. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 Ok45  
Editorial favoring the continuance of the cotton marketing quotas.
243. Marketing quotas win, 91.2 percent vote affirmative. Cotton Trade Jour. 19(50): 1. Dec. 16, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214



244. Navicert system raises speculation. Cotton Digest 12(9): 3. Dec. 2, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822  
Discussion of the proposed British Navicert system by Houston cotton shippers is noted.
245. See 50-50 basis, U. S. and foreign, to Mediterranean. Shippers may be required to give only half cargoes to U. S. flag ships. Cotton Trade Jour. 19(51): 8. Dec. 23, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214  
"Cotton Export Corporation shippers, like Export-Import Bank shippers, will be required to ship no more than half their cotton by American flag vessels on business to the Mediterranean."  
Also in Cotton Digest 12(12): 3-4. Dec. 23, 1939.
246. Triple A reports. Cotton Ginners' Jour. 11(3): 15. Dec. 1939. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824  
Objections to reports required of ginners by the Agricultural Adjustment Administration are noted.
247. U. S. Dept. of agriculture. Agricultural adjustment administration. County cotton acreage allotments for 1940. Fed. Register 4(252): 5003-5005. Dec. 30, 1939. (Published by National Archives, Washington, D. C.) 169 F31
248. U. S. Dept. of agriculture. Agricultural adjustment administration. Part 701--1939 Agricultural conservation program bulletin. Supplement no. 24. Fed. Register 4(248): 4935-4936. Dec. 23, 1939. (Published by National Archives, Washington, D. C.) 169 F31  
[ACP-1939-24]  
Rates of payment for general soil-depleting acreage for certain counties in Texas are given.
249. U. S. Dept. of agriculture. Agricultural adjustment administration. Part 701--1940 agricultural conservation program bulletin. Supplement no. 3. Fed. Register 4(252): 4980. Dec. 30, 1939. (Published by National Archives, Washington, D. C.) 169 F31  
Cotton acreage allotments are given by States.

250. U. S. Dept. of agriculture. Agricultural adjustment administration. Part 722--Regulations pertaining to cotton marketing quotas for the 1940-1941 marketing year. Fed. Register 4(239): 4817-4821. Dec. 12, 1939. (Published by National Archives, Washington, D. C.) 169 F31  
Cotton 407.
251. U. S. Dept. of agriculture. Commodity credit corporation. Instructions concerning the making of loans by Commodity credit corporation to cotton producers on notes secured by cotton warehouse receipts. U. S. Dept. Agr. Commodity Credit Corp. Cotton Form 1, 2pp. [Washington] 1939. 173.2 [C]
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See also Item no. 237.

#### MISCELLANEOUS--GENERAL

257. Ainda a conferencia de peritos de algodão em Washington. Nada fazendo foi a maior victoria. Revista do Algodão 9(51): 2898. Sept. 1939. (Published at Rua de S. Bento, 389, São Paulo, Brazil)

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## C O T T O N   R E P O R T S

## ISSUED CURRENTLY BY UNITED STATES GOVERNMENT DEPARTMENTS

U. S. Department of Agriculture. Agricultural Marketing Service  
Crop Reports (Summarized in Crops and Markets, which is issued monthly)

## Grade and Staple Reports:

Semi-Monthly Cotton Grade and Staple Report: issued at Washington during the active ginning season, final report on 1939 crop to be issued Mar. 20, 1940.

Semi-monthly reports for each state will be issued during the principal part of the ginning season.

## Market News Reports:

Cotton Quotations: issued weekly at Atlanta, Ga., Memphis, Tenn., and Dallas and El Paso, Tex.

Report of the Designated Spot Cotton Markets: issued daily at Atlanta, Ga.

Weekly Cotton Market Review: issued weekly at Washington, D. C., Atlanta, Ga., Memphis, Tenn., and Dallas and El Paso, Tex.

Weekly Cottonseed Review: issued weekly at Memphis, Tenn., and Atlanta, Ga.

Weekly Review--American Cotton Linters: issued weekly at Washington, D.C.

U. S. Department of Agriculture, Bureau of Agricultural Economics  
Cotton Situation: issued monthly.

U. S. Department of Agriculture, Commodity Exchange Administration  
Daily reports on volume of sales for future delivery and open contracts: issued at New York, New Orleans and Chicago.

Deliveries in Settlement of Futures Contracts on New York and New Orleans Cotton Exchanges: to be issued Jan. 31, Mar. 31, May 31, July 31, Oct. 31, Nov. 30, 1940.

Open Contracts Reported by Clearing Members, New York Cotton Exchange: issued monthly at New York.

Unfixed Call Purchases and Sales of Cotton Based on New York Futures: issued weekly at Chicago, New York and New Orleans.

Volume of Trading, All Markets: issued monthly at Washington.

Volume of Trading in Contracts Daily on New York Cotton Exchange: issued monthly at New York.

U. S. Department of Commerce, Bureau of the Census  
Activity in the Cotton Spinning Industry: issued monthly.  
Cotton Consumed, on Hand, Imported and Exported, and Active Cotton Spindles: issued monthly.

Cottonseed Products Manufactured and on Hand at Oil Mills: issued monthly.  
Cottonseed Received, Crushed, and on Hand, and Cottonseed Products Manufactured, Shipped out, on Hand and Exported: issued monthly.

Exports and Imports of Cottonseed Products: issued monthly.

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Textiles and Allied Products: issued weekly.



